

FIG. 1

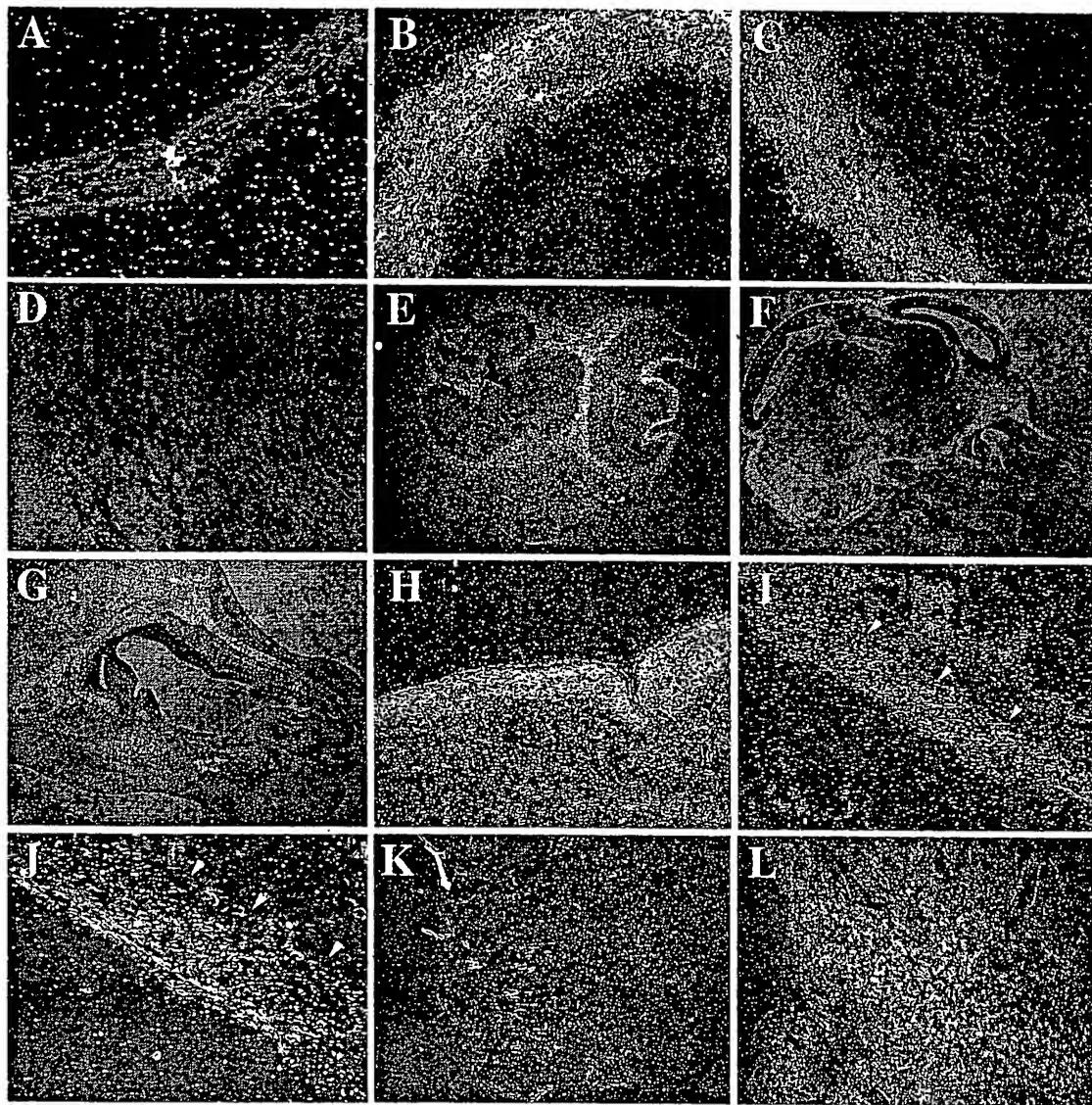


FIG. 2

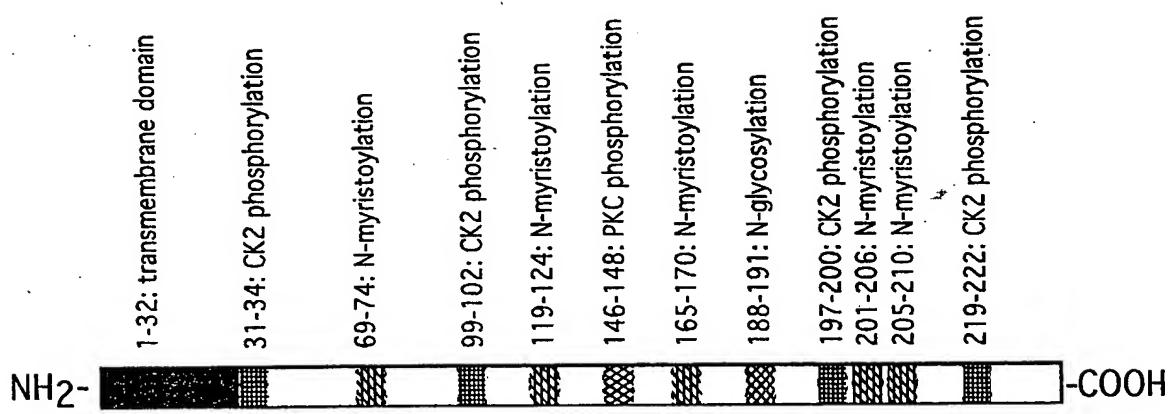


FIG. 3

Rat	CCCTTTGCCTCCCTGCTCTGCCCTCGCAGCTACCGCACRCGATGCACCCCCAAGGCCCGC
Human	TCCTCCGCCCTCCAGCTCCGCCGCTGCCGCCAGCCGGAGCCATGCGACCCAGGGCCCG
	70 80 90 100 110 120
Rat	140 150 160 170 180 190
Human	CCGCCTCCCCACAGCTGCTCGGCCCTTCCTGTGCTACTGCTGCTCTGCAGCTGT
	CCGCCTCCCCCAGCGGCCCTCCGCCGCTCT-----GCTGCTCTGCTGCTGCAGCTGC
Rat	130 140 150 160 170
Human	CCGGCCGCCAGCGCTCTGAGATCCCCAAGGGTAAGGAAAGGAAAGGCCAGCTCCGGCAGA
	180 190 200 210 220 230
Rat	260 270 280 290 300 310
Human	CCGCAGCGCTGAGCGCTCTGAGATCCCCAAGGGTAAGGAAAGGCCAGCTCCGGCAGA
	200 210 220 230 240 250
Rat	GGGAAGTGGTAGACCTGATAATGGGATGCTCTACAAGGACAGCAGGAGTCCCTGGTC
Human	GGGAGGTGGTAGGACCTGATAATGGAATGTGCTTACAAGGGCAGCAGGAGTGCCTGGTC
	240 250 260 270 280 290
Rat	320 330 340 350 360 370
Human	GCGATGGGAGCCCTGGGCAATGGCATTCTGGCACACCGGAATCCAGGTCGGGATG
	300 310 320 330 340 350
Rat	380 390 400 410 420 430
Human	GAGACGGGAGCCCTGGGCAATGGCATTCCGGTACACCTGGATCCAGGTCGGGATG
	360 370 380 390 400 410
Rat	440 450 460 470 480 490
Human	GATTCAAAGGAGAGAAAAGGGGAGTCTTAAGGGAAAGCTTGAGGAATCTGGACCCCAA
	420 430 440 450 460 470
Rat	AATGTACATTACAAAAGATGCGATCCAACAGCGCTCTCGACTTCTGTCAGTGGCTCGC
Human	AGTGTACATTACAAAAGATGCGTTCAAATAGTGTCTAAAGAGTTTGTTCAGTGGCTCAC
	480 490 500 510 520 530
Rat	560 570 580 590 600 610
Human	TTCGGCTCAAATGCGAGGATGCTGTCAGCCTGGTGTGTTACCTTAAATGGAGCTG
	540 550 560 570 580 590
Rat	620 630 640 650 660 670
Human	TTCTGGTACAGGACCTCTCCCATGAAAGCTATCATCTATGGACCAAGGAAGCCCTGAGT
	600 610 620 630 640 650
Rat	680 690 700 710 720 730
Human	AATGTTCAAGGACCTTCCCATGAAAGCTATCATCTATGGACCAAGGAAGCCCTGAGT
	660 670 680 690 700 710
Rat	740 750 760 770 780 790
Human	GTCGCTGGACTGGTAGACGTGGCATCTGGTCGGCACCTGTTAGCATTACCCAAAGGAG
	720 730 740 750 760 770
Rat	800 810 820 830 840 850
Human	GTCGCTGGATTAGTGGATGTTGCTATCTGGGTTGGCACTTGTTCAGATTACCCAAAGGAG
	780 790 800 810 820 830
Rat	860 870 880 890 900 910
Human	ACCCCTCTACTGGTGGAACTCTGTCGGCATCATCATTGAAGAACTACCCAAATAAA
	840 850 860 870 880 890
Rat	920 930 940 950 960 970
Human	ATGCTCTACTGGATGGAATTCTCGTCAGTTCTCGCATCATTATTGAAGAACTACCCAAATAAA
	890 900 910 920 930 940
Rat	980 990 1000 1010 1020 1030
Human	ACTTAAATGACATTTCAGAAGTCATTATGTGCTCAGCCAAATGAAAAAGCAAAGTTAA
	950 960 970 980 990 1000
Rat	1040 1050 1060 1070 1080
Human	ATTAAATGACATTTCAGAAGTCATTATGTGCTCAGCCAAATGAAAAAGCAAAGTTAA
	1010 1020 1030 1040 1050 1060
Rat	1090 1100 1110 1120 1130
Human	CTTCAACCAAAAGTGGTTCAATATTGGTAAATCTTAGTGGTAAATACTTCTCATGTCA
	1070 1080 1090 1100 1110 1120
Rat	1140 1150 1160 1170 1180
Human	-----AGCTTATATAACCGGAATGCTGTTATAGCTTAAATATTCCTACT-GTTGA
	1190 1200 1210
Rat	-CATTGAAACA--TATAAAGTTATG--TCTTGTAAAGAGCTGTATA-----GAATT
Human	GCATTTTAAAGGAAATATAAAAGCTACCAATCTTGTACAATTGTAAATGTTAAGAATT
	1130 1140 1150 1160 1170 1180
Rat	ATTTT---ATATGTTAAATAAA---TGCTTCAAACAA
Human	TTTTTATATCTGTTAAATAAAATTATTCACAAACAA
	1190 1200 1210 1220

FIG. 4A

Rat: 1	MHPQGRAASPQLLLGLFLVLLLLQLSAPSSASENPVKQKALIRQREVVVDLYNGMCLQG M+PQG+AASPQ+L+GL+++LLLLQL+APSSASE+PK+KQKA++RQREVVVDLYNGMCLQG	60
Human: 1	MRPQGPAASPQRLRGL--LLLLLQLPAPSSASEIPKGKQKAQLRQREVVDLYNGMCLQG	58
Rat: 61	PAGVPGRDGSPGANGIPGTPGIPGRDGFKGEKGECLRESFEESWTPNYKQCSWSSLNYGI PAGVPGRDGSPGANGIPGTPGIPGRDGFKGEKGECLRESFEESWTPNYKQCSWSSLNYGI	120
Human: 59	PAGVPGRDGSPGANGIPGTPGIPGRDGFKGEKGECLRESFEESWTPNYKQCSWSSLNYGI	118
Rat: 121	DLGKIAECTFTKMRNSNSALRVLFGSLSRLKCRNACCRWYFTFNGAECGPLPIEAIYL DLGKIAECTFTKMRNSNSALRVLFGSLSRLKCRNACCRWYFTFNGAECGPLPIEAIYL	180
Human: 119	DLGKIAECTFTKMRNSNSALRVLFGSLSRLKCRNACCRWYFTFNGAECGPLPIEAIYL	178
Rat: 181	DQGSPELNSTINIHRRTSSVEGLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNNSRIII DQGSPE+NSTINIHRRTSSVEGLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNNSRIII	240
Human: 179	DQGSPEMNSTINIHRRTSSVEGLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNNSRIII	238
Rat: 241	EELPK 245 EELPK	
Human: 239	EELPK 243	

FIG. 4B

MRPAAELGQTLSRAGLCRPLCLLLCASQLPHTMHPQGRAASPQLLLGLFLVLLLLQL  
SAPSSASENPVKVKQKALIRQREVVDLYNGMCLQGPAGVPGRDGSPGANGIPGTPGIPG  
RDGFKGEGECLRESFEESWTPNYKQCSWSSLNYGIDLGKIAECTFTKMRNSNSALRVL  
FSGSLRLKCRNACCQRWYFTFNGAECSGPLPIEAIYLDQGSPELNSTINIHRTSSVE  
GLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNVSRSIIIEELPK

**FIG. 4C**

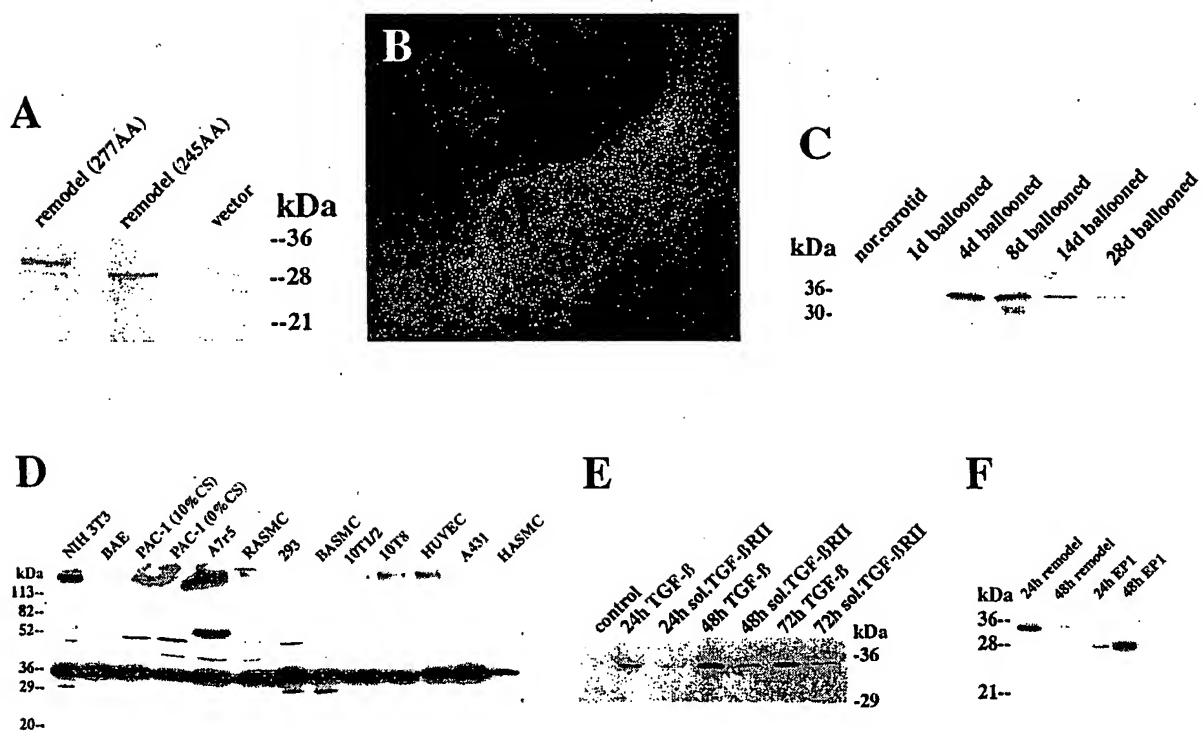


FIG. 5

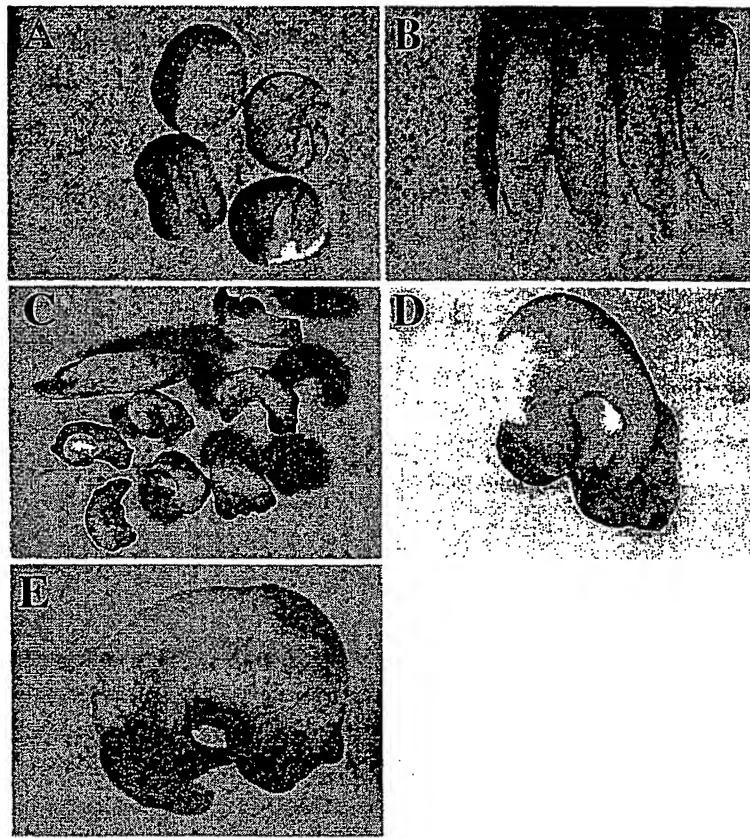


FIG. 6

**ATG** GCCCCAAGG CCGCGCCGCC TCCCCACAGC TGCTGCTCGG CCTCTTCGTT GTGCTACTGC  
TGCTTCTGCA GCTGTCCGCG CCGTCCAGCG CCTCTGAGAA TCCCAAGGTG AAGCAAAAAG  
CGCTGATCCG GCAGAGGGAA GTGGTAGACC TGTATAATGG GATGTGCCTA CAAGGACCAG  
CAGGAGTTCC TGGTCGCGAT GGGAGCCCTG GGGCCAATGG CATTCTGGC ACACCGGGAA  
TCCCAGGTGCG GGATGGATTCAAAAGGAGAGA AAGGGGAGTG CTTAAGGGAA AGCTTGAGG  
AATCCTGGAC CCCAAACTAC AAGCAGTGT CATGGAGTTTC ACTTAATTAT GGCATAGATC  
TTGGGAAAAT TCGGAAATGT ACATTACAA AGATGCGATC CAACAGCGCT CTTCGAGTTC  
TGTTCACTGG CTCGCTTCGG CTCAAATGCA GGAATGCTTG CTGTCAACGC TGGTATTTTA  
CCTTTAATGG AGCTGAATGT TCAGGACCTC TTCCCATTGA AGCTATCATC TATCTGGACC  
AAGGAAGCCC TGAGTTAAAT TCAAACATTA ATATTCACTCG TACTTCCTCC GTGGAAGGAC  
TCTGTGAAGG GATTGGTGCT GGACTGGTAG ACGTGGCCAT CTGGGTGGC ACCTGTTCAAG  
ATTACCCCAA AGGAGACGCT TCTACTGGGT GGAATTCTGT GTCCCCATC ATCATTGAAG  
AACTACCAAA A

**FIG. 7**

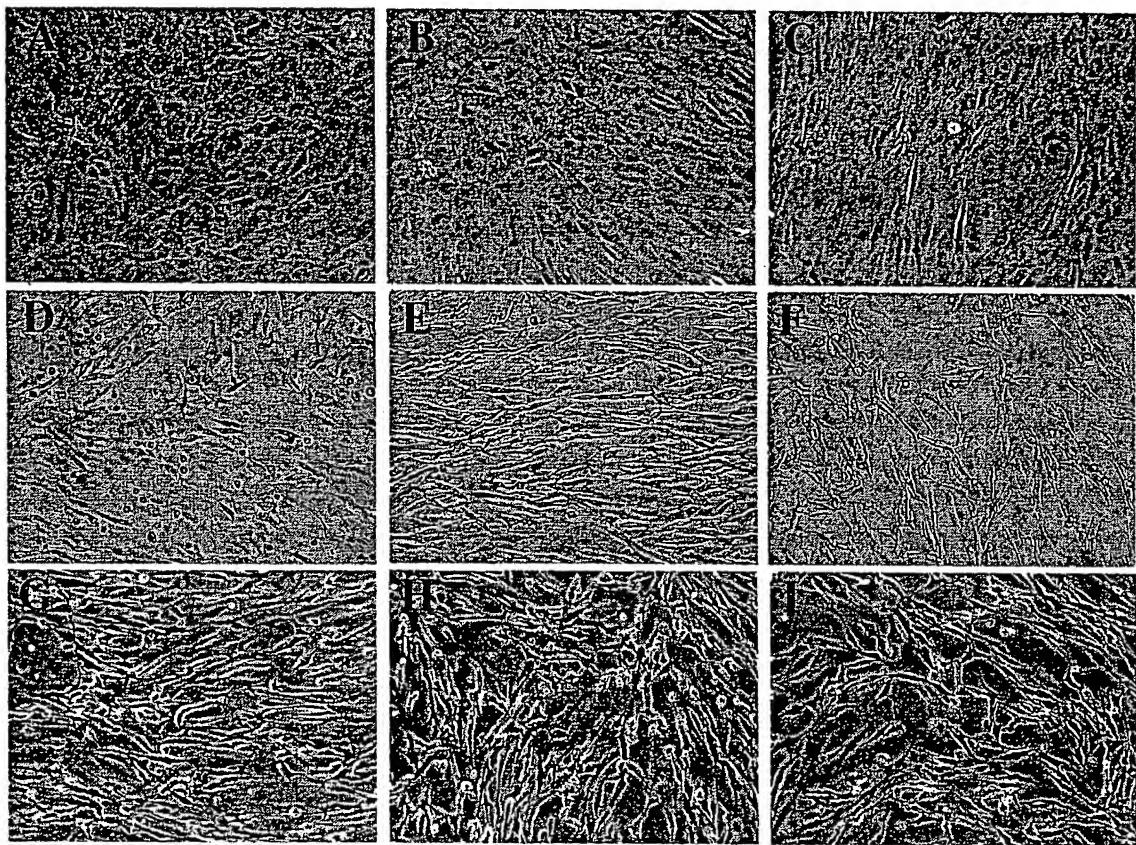


FIG. 8

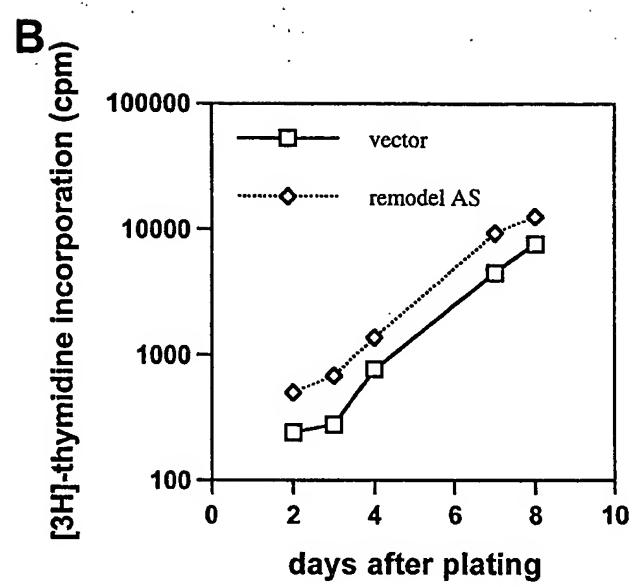
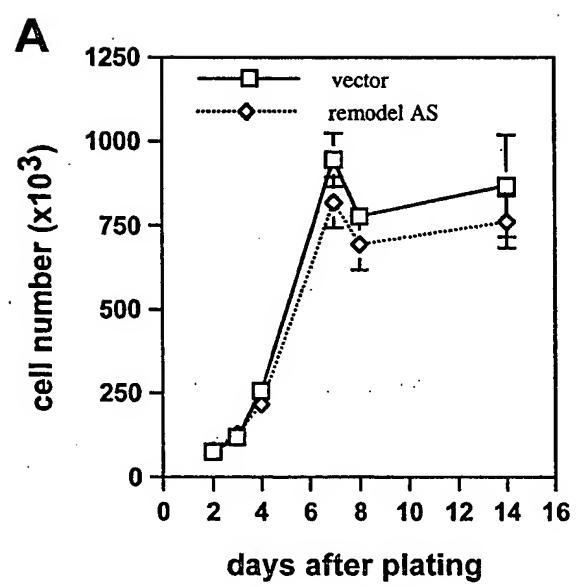


FIG. 9

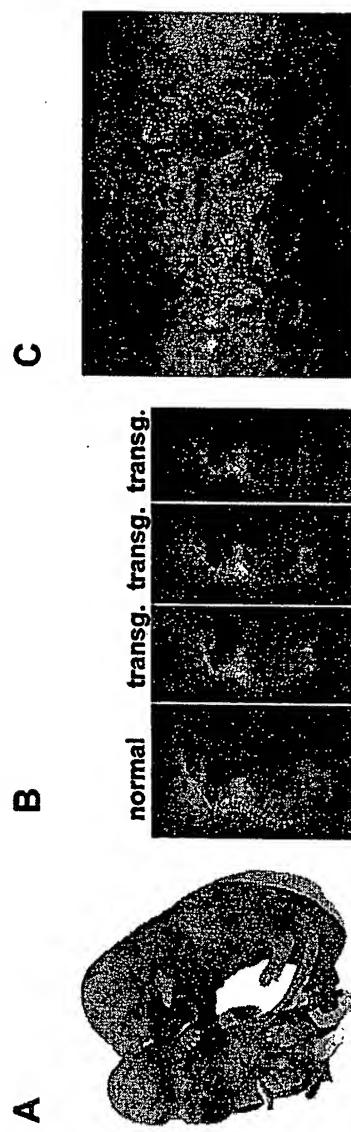


FIG. 10

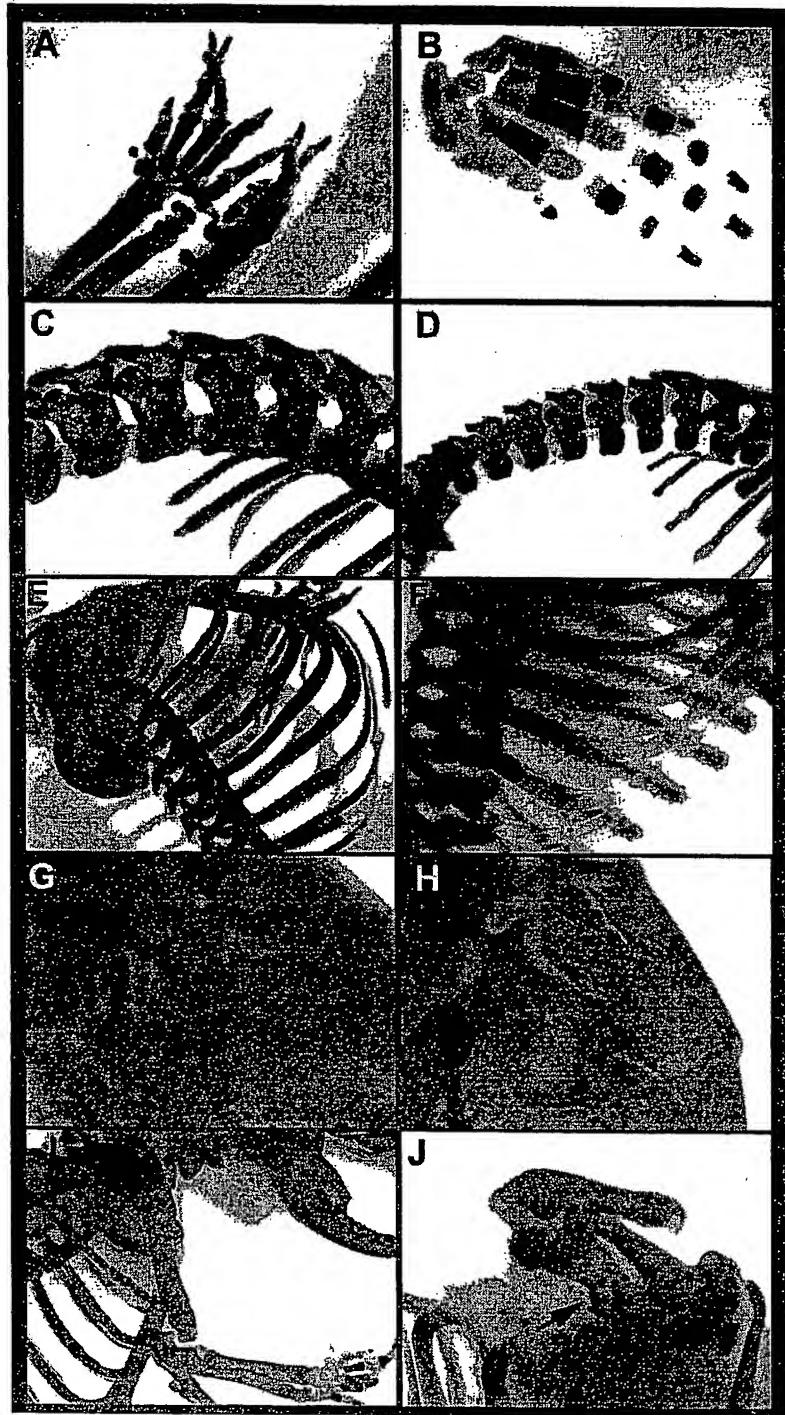


FIG. 11

CCACCCAGUAGAAGCGUCUCCUUUGGGUAUCUGAACAGGUGCCGACCCAGAUGGCC  
ACGUCUACCAAGGUCCAGCACCAUCCUUCACAGAGUCCUCCACGGAGGAAGUACGAU  
GAAUAUAAAAGUUGAAUAAAACUCAGGGCUUCCUUGGUCCAGAUAGAUGAUAGCUUC  
AAUGGGAAGAGGUCCUGAACAUUCAGCUCCAUAAGGUAAAACCAGCGUUGACAG  
CAAGCAUCCUGCAUUGAGCCGAAGCGAGCCACUGAACAGAACUGAAGAGCGCUGU  
UGGAUCGCAUCUUUGUGAAUGUACAUUCCGCAAUUUUCCCAAGAUCUAUGCCAUAAU  
AAGUGAACUCCAUGAACACUGCUUGUAGUUUGGGGUCCAGGAUUCUCAAAGCUU

**FIG. 12**